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# Fax Memo

**TO:** Ms. Kim Gaskins  
ALCATEL

**FAX NO.:** 202-715-3715

**FROM:** Terry Kramer

**DATE:** August 11, 2000

**DOCKET:** 132,427

**PAGES:** INCLUDING COVER PAGE 4

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Please find the following search report for reference number listed above.



May 5, 2000

John J. Sideris, Esq.  
ALCATEL  
1909 K Street, N.W., Suite 800  
Washington, D.C. 20006

RE: Patentability Search  
For: **A FEEDBACK-BASED LOCAL CONGESTION  
CONTROL SYSTEM FOR A DIFFERENTIATED  
SERVICES DOMAIN**  
Your Ref. No.: 132,427  
Our Ref. No.: ALC 1017

Dear John:

We have completed the patentability search at the U.S. Patent and Trademark Office regarding the above-identified invention. The field of search covered Class 370, subclass 392 and Class 709, subclasses 238, 239, 240, 241, 242, 243 and 244. A computer database search was conducted on the USPTO system WEST.

The search was directed towards a feedback-based local congestion control system for a differentiated services domain. In particular, the search focused on a method of routing using a label attached to an IP packet to determine a route between a pair of edge routers.

Please note the enclosed references:

**U.S. Patent Number**

4,736,363  
4,901,277  
5,088,032  
5,191,650

**Inventor(s)**

Aubin et al.  
Soloway et al.  
Bosack  
Kramer et al.

John J. Sideris, Esq.  
May 5, 2000  
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**Con't U.S. Patent Number**

5,377,327  
5,404,565  
5,426,674  
5,430,729  
5,521,972  
5,596,722  
5,644,713  
5,870,564  
5,881,241  
5,884,043  
5,918,017  
5,996,021

**Inventor(s)**

Jain et al.  
Gould et al.  
Nemirovsky et al.  
Rahnema  
Iki  
Rahnema  
Makishima  
Jensen et al.  
Corbin  
Teplitzky  
Attanasio et al.  
Civanlar et al.

**Brief Description Of The References:**

U.S. Patent Number 5,996,021 discloses an Internet protocol relay network for directly routing a datagram from an ingress router to an egress router. The ingress router attached a label to the IP packet which is used to forward the packet through the network.

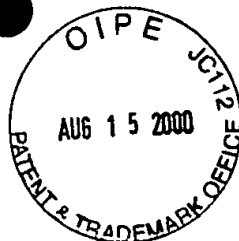
U.S. Patent Number 5,377,327 discloses a congestion avoidance scheme for computer networks. This scheme flags packets associates with streams of traffic creating congestion conditions.

The remaining references are of general interest for showing various routing schemes which send packets through a predetermined route.

Although it is our opinion that the most relevant areas for this invention were reviewed, further searching may uncover additional patents. NOTE: The field of search included the most pertinent areas identified by our office as containing relevant patents.

Enclosed are copies of the cited references and our invoice for services rendered and disbursements for this matter.

John J. Sideris, Esq.  
May 5, 2000  
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As always, if you have any questions regarding this search, please do not hesitate to call us at (703) 413-3667.

Very truly yours,

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TWK:mdl  
Enclosure